## **CLAIMS**

- 1. A lens protection mechanism, comprising:
- 5 a rotating transparent disc; and
  - at least one counter rotating object whose rotation substantially cancels out angular momentum caused by the rotation of the disc.
- 2. A lens protection mechanism according to claim 1, wherein said at least one counter rotating object supports said disc.
  - 3. A lens protection mechanism according to claim 1, wherein said at least one counter rotating object applies rotational force to said disc.
- 4. A lens protection mechanism according to claim 1, wherein said at least one counter rotating object comprises at least one wheel and further comprising:
  - a rim on said transparent disc, engaged and supported by said at least one wheel; and at least one motor, coupled to at least one of said at least one wheel to apply rotational force to said disc.

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- 5. A lens protection mechanism according to claim 4, wherein said at least one wheel comprises a plurality of wheels having substantially identical mechanical properties.
- 6. A lens protection mechanism according to claim 4, wherein said at least one wheel comprises four wheels.
  - 7. A lens protection mechanism according to claim 4, wherein said at least one motor is coupled to said at least one wheel using a rubber pin and wherein said at least one motor does not substantially support said wheel against said disc.

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8. A lens protection mechanism according to claim 4, wherein said at least one wheel comprises a plurality of wheels arranged at substantially ±45° to expected movement axes of a lens for which the lens protection mechanism is adapted.

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- 9. A lens protection mechanism according to claim 4, wherein said at least one motor is a DC motor; and further comprising:
- a second DC motor coupled to a second wheel for simultaneously engaging said disc;

  5 and

wiring that connects said DC motors in series to a power source, such that the voltage distribution between the motors reflects the instantaneous rotational speed of each motor.

- 10. A lens protection mechanism according to claim 4,
- wherein said rim is removably snap-connecting said disc to said engaging wheel, such that said disc can be snapped off said engaging wheel by applying force to the disc.
  - 11. A lens protection mechanism according to claim 10, wherein said rim is snapconnected onto said wheel.
  - 12. A lens protection mechanism according to claim 4, wherein said rim is resilient.
  - 13. A lens protection mechanism according to claim 4, wherein at least some of the edges of said rim coupling the motor to said rotating transparent disc, are rounded.
  - 14. A lens protection mechanism according to claim 1, wherein said disc is a lens.
  - 15. A lens protection mechanism according to claim 1, wherein said disc rotates at at least 2000 RPM.
  - 16. A lens protection mechanism according to claim 1, wherein said disc rotates fast enough to centrifugally move water drops off of said disc.